

FATTENING CATTLE.

The more we restrain the movements of the body the greater is the aptitude for fattening. Contentment aids the formation of fat. "Laugh and grow fat," says an exchange, is a proverb with a foundation in fact. Violent exercise, by stimulating the lungs, consumes the fatty matters. The size of the lung has a marked influence upon fattening. A large lung, developed by abundant exercise, burns away the heat-producing matter and retards fattening. On the other hand, a small long and a small liver, though they render the possessor much more delicate, are favorable to fattening. Th experiments of Messrs, Lawes & Gilbert show: (1.) That a large portion of the fat of the herbivora fattened for human food must be derived from

substances other than the fatty matter in the food; (2.) That when fatt animals are fed upon their most propriate food, much of their stor up fat must be produced from the carbo-hydrates it contains; (3.) That the nitrogenous substances may also serve as a source of fat, more especially when they are in excess. So that we may affirm that while the nitrogenous substances of the food undoubtedly maintain the tissues of the animal body and produce flesh, they also produce fat and heat. In animals nature provides in a time of plenty for some of their requirements in a time of scarcity. Starch and sugar maintain heat and vitality; but unless there is a supply of the fats and oils the progress will be slow, because the maintenance of the vital principles taxes the latter. All vegetable foods vary with the

age of the plants yielding them, and STAPLEthe soil they grow upon. Hence the care necessary in selecting seeds for laying down pastures and in cutting and harvesting hay and straw. When grass is comparatively young it abounds in flesh-forming substances and in sugar. As the plant ripens the sugar becomes changed into starel and the starch into wood fibre. The shows the desirability of cutting al grass crops for buy before they have fully ripened. Cattle fed upon over thirteen or feurteen per cent, more of indigestible woody fibre. Some experiments in feeding with hay alone have shown that in a large ox the store condition may be maintained by giving it about one-fiftieth of its own live weight per day; or, if working, one fortieth. A fattening ox, having noth ing else, will consume from one-twentieth to one-twenty-fifth of its live weight, according to the degree of fat ness it has attained. Sheep are said to consume about one-thirtieth part of their live weight of hay per day. These figures will show us that when hay commands a good price in the market it is not advisable to use it in any large quantity alone as a meat producer.- Exchange.

## WINTERING COLTS.

as follows to the Breeder's Gazette: "At the commencement of winter have a suggestion to offer those farwinter quarters. I most sincerrly and carnestly deprecate the straw-stack method of wintering colts. It is a poor way of wintering a useful animal and a poor way of disposing of straw. A man had much better give his stack to some poor neighbor tha use it to winter his colts on. Ilseen too many good colts ruined ducing their first winter by a too close acquaintance with the straw stack. to be to wean their colts, and then compel them to steal their subsistence during their first winter, and very often during their second winter also No course could be more harsh and unprofitable. The colt grows in a thrifty and promising manner until it is weaned, and then it is compelled to enter upon a hard struggle for existworthy of proper treatment. In a climate warmer than we have in north- suit the purchaser. ern New York, it may be possible to winter colts in a satisfactory manner with no better shelter than that offered by an open shed. But I have found that all devices used as a substitute for a good warm stable are unsatisfactory. nel with a comfortable stable. If the stable is warm, less food is necessary to keep the colt growing. I would prefer for a young colt, as I would prefer for a horse of any age, a box-stall, roomy and well lighted, to a stall in which the animal is confined. A judicious regard for the feet and limbs of a colt requires that he should be allowed considerable freedom. If the stall or box does not furnish the faciliities for exercising, then he should be "18 allowed to exercise several hours daily in some good yard or paddock. In condemning a straw-stack diet, I wish also to go one good step in the opposite direction. A colt may not desir grain until he is able to carn it, but twice a day. This is absolutely necessary if you desire an early and satisfactory development. I wintered two young colts last winter. I gave them all the good hay they could eat and four quarts of oats daily, and I am free to say that I am better satisfied with the result than with any other stock wintered last winter. These colts at one year old were larger and

better developed than colts on neighboring farms at twice the age. I think it pays, and pays well, to take extra care of a young colt; there is some satisfaction in owning a superior animal, and it will pay in the end."

BUYING A HORSE.

An old horseman says: "If you want to huy a horse don't believe your and the same of the sam to buy a horse, don't believe your brother. Take no man's word for Your eye is your market. Don't be

a horse in harness. Unbitch him and take everything off but his halter, and lead him around. If he has a corn, or is stiff, or has any other failing, you have himself a lead him around he himself a lead him around he himself a lead can see it. Let him go by him little ways, and if he staves right into awa anything, you may know he is blind. atter how clear and bright his eves are, he can't see any more than a bat. Back him, too. Some horses that way when they don't in any other. nex

But, be as smart as you can, you'll get caught sometimes. Even an expert gets stuck. A horse may look ever so nice and go a good pace, and yet have fits. There isn't a man that could tell it till something happens. Or he may have a weak back. Give him the whip, and off he goes for a stope in the road. After a rest, he leads the State in corn, who starts again; but he soon stops for good, and nothing but a derrick could investors we offer special in

or any other generation: "When you are cordially invited to make a good cow, buy her. When you have a good cow, keep her. When you have a good cow, keep her. When you find you have a bad cow, sell her."

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## H. F. FRIEND,

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sized tracts, from 5 acres up to 2,500. Choice farm property a specialty. Also ence. This ought not to be so. The some excellent stock ranches, from \$3.00 to \$6.00 per acre. The following colt, if it is worth raising at all, is price-list is subject to change, and in many instances terms can be made to

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